

# Comparisons of Job Characteristics

**Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011)**

**Associated Occupation: Commercial Pilots (53-2012)**

[Compare Knowledge](#)

[Compare Skills](#)

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[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 51

**Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011)**

**Associated Occupation: Commercial Pilots (53-2012)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Transportation	4.6	18.7	9.8	<<	Extensive education and/or training may be required
Mechanical	6.8	14.6	22.8	>>	Current knowledge level is likely more than sufficient
Geography	3.9	14.4	3.4	<<	Extensive education and/or training may be required
Mathematics	9.2	13.4	10.8	<	Expanded education and/or training may be required
Public Safety and Security	6.9	12.2	8.4	<<	Extensive education and/or training may be required
Physics	4.3	10.9	10.9	0	Current knowledge level may be sufficient
Telecommunications	3.9	8.8	5.0	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 9

**Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011)**

**Associated Occupation: Commercial Pilots (53-2012)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	17.7	9.8	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	15.0	13.5	<	A higher skill level may be required
Critical Thinking	10.8	13.6	12.2	<	A higher skill level may be required
Judgment and Decision Making	9.4	12.2	9.3	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 69			
Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011) Associated Occupation: Commercial Pilots (53-2012)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	15.1	14.4	0	Current ability level may be sufficient
Far Vision	7.8	15.1	8.5	<<	Extensive improvement in abilities may be required
Near Vision	11.1	14.8	12.9	<	Some improvement in abilities may be required
Response Orientation	4.0	13.9	7.0	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	13.3	7.7	<<	Extensive improvement in abilities may be required
Time Sharing	6.6	10.4	7.3	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	10.3	5.8	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	9.3	4.1	<<	Extensive improvement in abilities may be required
Night Vision	2.1	8.7	3.8	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	8.5	2.7	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 12
Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011) Associated Occupation: Commercial Pilots (53-2012)		
Work Activities		Exclusivity of Activity
Understand technical operating, service or repair manuals		6

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 34
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**Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011)**  
**Associated Occupation: Commercial Pilots (53-2012)**

<b>Tools and Technologies</b>	<b>Exclusivity</b>
Air transportation support systems and equipment	51
Computer printers	2
Computers	1
Data management and query software	1
Electrical measuring and testing equipment	7
Holding and clamping tools	3
Industry specific software	1
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.